

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

1519 TCCTTCAACCTCCGCCGTTCAATCCCACTCGTTTCTCAATCTCCTGCGGGTATGTTCTCATCTCTCAG 1587
 SerPheAsnLeuArgSerIleProThrArgPheSerIleSerCysAla 1568 1584
 HhaI DdeI
 1588 CATTATTTCGAGCTTGCTTGTCTCATGGTACTCTCTCTAATTGTCTATTTGGTTTATTAGGCCAAACCAG 1656
 AlaLysProG 1648
 1601 1616
 1597
 TaqI RsaI HaeIII
 1657 AGACGGTTGAGAAAGTGTCTAAGATAGTTAAGAAGCAGCATCTCAAGACGACCAAAAGTCGTTG 1725
 luThrValGluLysValSerLysIleValLysLysGlnLeuSerLeuLysAspGlnLysValVala 1695
 1676
 1726 CGGAGACCAAGTTTGCTGATCTTTGGAGCAGATTCTCTCGACACTGTAAGTCATCAATCATCTCTTATG 1794
 laGluThrLysPheAlaAspLeuGlyAlaAspSerLeuAspThr 1743 1756 1763
 1795 TGAATAAAGAGAACTTGAAGAGTTTGTTTTTAACATATTAACTGAGTGTTTTGCATGCAGGTTGAGATA 1863
 ValGluIle 1837 1852
 DdeI SphI

FIGURE 3F

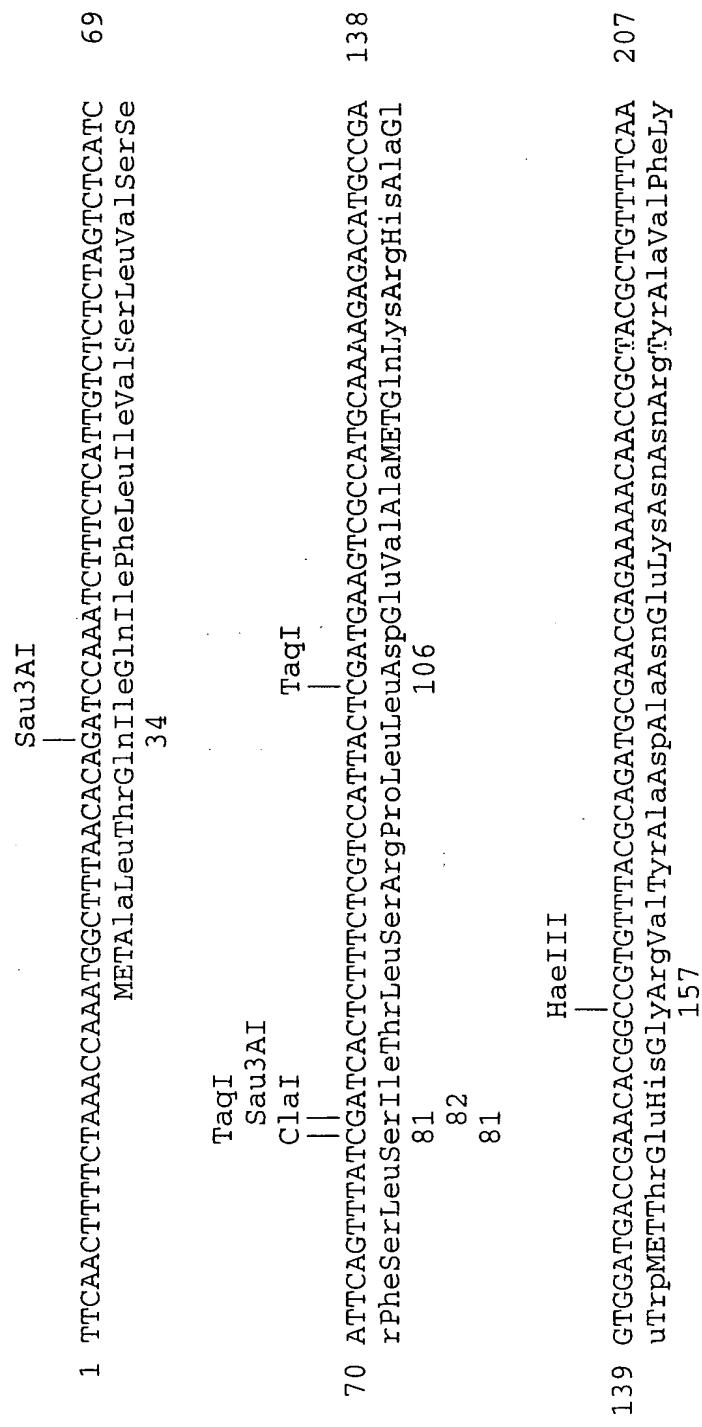
APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



FIGURE 3G

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Brassica Campestris Seed Specific cDNA-EA9



Complete nucleotide sequence of B. campestris cDNA EA9. The longest open reading frame is designated by three letter amino acid code. PolyA tails are evident at the end of the sequence and a potential polyadenylation signal is underlined.

FIGURE 4A

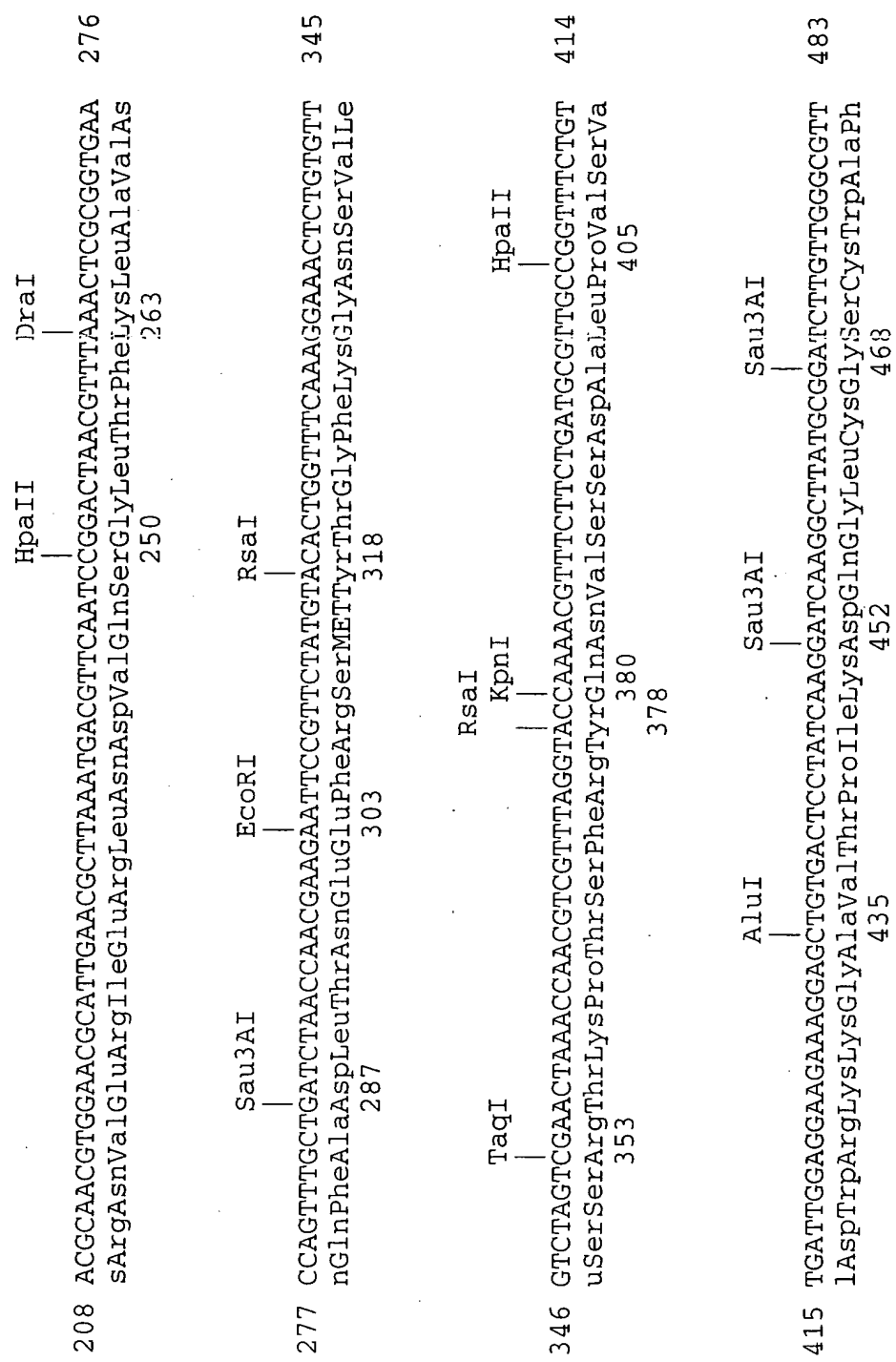


FIGURE 4B

APPROVED	D.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

PvuII
 AluI
 |
 484 TTCAGCTGTTGCGGCTATAGAAAGGAGTAGCACAGATAAAGAAAGGAAACTCATTTCTTTGTCTGAACA 552
 eSerAlaValAlaAlaIleGluGlyValAlaGlnIleLysLysGlyLysLeuIleSerLeuSerGluGlu
 489
 489

 TaqI
 SalI
 HincII
 AluI AccI
 | | | |
 553 AGAGCTTGTGCGACTGCGACACAAACGATGGTGGCTGCATGGGCGGTTTGATGGATACAGCGTTTAACTA 621
 nGluLeuValAspCysAspThrAsnAspGlyGlyCysMETGlyGlyLeuMETAspThrAlaPheAsnTy
 557 562
 560
 561
 562

 622 CACAATAACTATTGGCGGCTTAACCTCTGAATCAAATTATCCTTATAAAAGCACAAACGGCACTTGCAA 690
 rThrIleThrIleGlyGlyLeuThrSerGluSerAsnTyProTyrLysSerThrAsnGlyThrCysAs

 HpaII
 |
 691 CTTCAATAAACTAAACAGATAGCAACTTCTATCAAAAGGTTTGTAGGATGTCCCGGCTAACGATGAGAA 759
 nPheAsnLysThrLysGlnIleAlaThrSerIleLysGlyPheGluAspValProAlaAsnAspGluLy
 744

FIGURE 4C

760 AGCCCTAATGAAGCAGTGGCACACCACCGGTTAGCATTTGGAATAGCGGAGGAGATATTGGTTTCCA 828
 sAlaLeuMETLysAlaValAlaHisProValSerIleGlyIleAlaGlyGlyAspIleGlyPheG1
 789

829 ATTCTATTGTCCTCCGGTGTGTTTCAGCGGAGAAATGCACAACATCATCTTGCATCACGGGTAACGCGGTTGG 897
 nPheTyrSerSerGlyValPheSerGlyGluCysThrThrHisLeuAspHisGlyValThrAlaValG1
 841

898 ATACGGCCGATCTAAAAACGGATTAAAGTACTGGATCCTCAAGAATTCATGGGACCAAAATGGGAGA 966
 yTyrGlyArgSerLysAsnGlyLeuLysTyrTrpIleLeuLysAsnSerTrpGlyProLysTrpGlyG1
 904 906

967 ACGTGATACATGAGGATCAAAAAAGATATCAAGCCTAAACACGAGCAATGTGTCTTGCCATGAATGC 1035
 uArgGlyTyrMETArgIleLysLysAspIleLysProLysHisGlyGlnCysGlyLeuAlaMETAsnAl
 982 995

HpaII
 Sau3AI
 BclI
 ScaI
 RsaI
 BamHI
 EcoRI
 AvaII
 HaeIII
 Sau3AI
 EcoRV

FIGURE 4D

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

RsaI
 |
 1036 TTCGTACCCCAACTATGTGAAAAAATCGGTTCAATATCCGGTTAAGCTTTAGAAATAAATGTGTGTGG 1104
 aSerTyrProThrMET
 1041
 1073 1081
 1079

1105 TTATAATTTAAGACTCTGTTCATGTAATTTGTGAAATGGTAAGTTTATGTGATGCCAAAAGATTTGATA 1173

1174 AAAAAAAAAAAAAA 1186

FIGURE 4E

APPROVED	D.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

3H11 TTTT TTTGAGCAAAGGGCAACTCAGATATCCAAAGATGAATCCAACATATA 51

3H11 GCTTACAGCTGGGAGAACATTGTCTAACTCTTCTGAAATTTAAATGTTATC 102

3H11 CAGAATCCTTCATCATAAAATAATATCAAAATGCAAATCTATTTTTTCTAC 153

3H11 TCTTGTCTAGCTTCAACTTTCTTCTTCTGCTCATCAATTAGCAATTAATCC 204
TGCTCATCAATTAGCAATTAATCC

3H11 AAAACCATTTATGGCTGCCAAAAATTCAGAGATGAAGTTTGCTATCTTCTTC 255
2A11 AAAACCATTTATGGCTGCCAAAAATTCAGAGATGAAGTTTGCTATCTTCTTC
METAlaAlaLysAsnSerGluMETLysPheAlaIlePhePhe

3H11 GTTGTTCTTTTGACGACCACTTTAGTTGATATGTCTGGAATTTTCGAAAATG 306
2A11 GTTGTTCTTTTGACGACCACTTTAGTTGATATGTCTGGAATTTTCGAAAATG
ValValLeuLeuThrThrThrLeuValAspMETSerGlyIleSerLysMET

3H11 CAAGTGATGGCTCTTCGAGACATACCCCCACAAGAAACATTGCTGAAAATG 357
2A11 CAAGTGATGGCTCTTCGAGACATACCCCCACAAGAAACATTGCTGAAAATG
GlnValMETAlaLeuArgAspIleProProGlnGluThrLeuLeuLysMET

3H11 AAGCTACTTCCCACAAATATTTTGGGACTTTGTAACGAACCTTGCAGCTCA 408
2A11 AAGCTACTTCCCACAAATATTTTGGGACTTTGTAACGAACCTTGCAGCTCA
LysLeuLeuProThrAsnIleLeuGlyLeuCysAsnGluProCysSerSer

3H11 AACTCTGATTGCATCGGAATTACCTTTGCCAATTTTGTAAGGAGAAGACG 459
2A11 AACTCTGATTGCATCGGAATTACCTTTGCCAATTTTGTAAGGAGAAGACG
AsnSerAspCysIleGlyIleThrLeuCysGlnPhyCysLysGluLysThr

3H11 GACCAGTATGGTTTAAACATACCGTACATGCAACCTGTTGCCTTGAACAATA 510
2A11 GACCAGTATGGTTTAAACATACCGTACATGCAACCTGTTGCCTTGAACAATA
AspGlnTyrGlyLeuThrTyrArgThrCysAsnLeuLeuPro

3H11 TCAATGATCTATCGATCGATCTATCTATCTATTTATCTGTCTCTGCGCGTA 561
2A11 TCAATGATCTATCGATCGATCTATCTATCTATTTATCTGTCTCTGCGCGTA

3H11 TAGTGTTGTCTGTACCTTTGGTGTGAAGAATATGAATAAAGGGATACATAT 612
2A11 TAGTGTTGTCTGTACCTTTGGTGTGAAGAATGTGAATAAAGGGATACATAT

3H11 ATCTAGATATATTCTAGGTAATGTCCTATTGTATTTAAAATTTGTAGCAAT 663
2A11 ATCTAGATATATTCTAGGTAATGTCCTATTGTATTTAAAATTTGTAGCAAT

3H11 GATTGTTTGAATAAAAAACATACCATGAGTGAAATAATTATTCCACATTAAT 714
2A11 GATTGTTTGAATAAAAAACATACCATGAGTGAAATAATTATTCC

3H11 TCACGTATTTATTTCACTTATGATACGTATTTTTTGTTCCTTTCGCGTAAAA 765
3H11 AAAAAAAA 774

FIGURE 5

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
AFTSMAN		

(a)

2A11

PA1b

Chick pea
inhibitor

Lima bean
inhibitor

α_1 -antitrypsin

V	M	A	L	R	D	I	P	P	Q	E	T	L	L				
V	C	S	P	F	D	I	P	P	C	G	S	P	L	C	R	C	I
V	C	T	-	K	S	I	P	P	-	-	-	-	Q	C	R	C	N
L	C	T	-	K	S	I	P	P	-	-	-	-	Q	C	R	C	T
L	G	A	I	P	M	S	I	P	P	E	V						

↑

(b)

2A11

PA1b

Barley chloroform/
methanol-soluble
protein d

Wheat α -amylase
inhibitor 0.28

Wheat albumin

Millet bi-functional
inhibitor

Castor bean 2S
small subunit

Napin small subunit

T	N	I	L	G	L	C	N	E	P	C	S	S	N	S	D	C	I	
G	S	P	L	C	R	C	I	P	A	G	L	V	I	G	N	C	R	
T	N	L	L	G	N	C	R	-	F	Y	L	V	Q	Q	T	C	A	
V	S	A	L	T	G	C	R	-	A	M	V	K	L	Q	-	C	V	
V	P	A	L	P	A	C	R	P	L	-	L	R	L	Q	-	C	N	
N	N	P	L	D	S	C	R	W	Y	V	S	A	T	K	R	A	C	G
Q	Q	N	L	R	Q	C	Q	E	Y	I	K	Q	Q	V	S	G	Q	
A	Q	N	L	R	A	C	Q	Q	W	L	N	K	Q	A	M	Q	S	

FIGURE 6

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

2A11 GENOMIC

CTCGAGCCCT TTAAAAAGTA TAGTCAATAT TTACGGTGAC CGTGAATTTC TTAATTATGA 60

TATATAATTT AAAAGAAATC ATGATCACAT TCTACTGATG AGAACATGTG CTAATCAAGG 120

GAAAAACATGG ATGTGAAAAA TACTTTTTTGT TAAAAGTAAA AAAAAATGTG AAATTGTGTT 180

AGTTATTTAC TACCTATACA TTATTTGAGC ATGTGCAAAAC TTTACAAAATA CCTAATAGAA 240

GATTTTCACC TGCCTGTATA TATGTAAATT AATTATAATG AACACTCTCA CATAAAATAA 300

TTATCAGTAT ATACATTAAT ACTTGCCCTC CACAATGAAT TAAATAAAAT GTAGAACATG 360

ATCTACACTT CAATAAAACT AAGACCATAA AGAATAAATT CAAAAATATAC ACATGTCAAC 420

AAATAATTAT TTGCATATTA TATTAACCTA CTAAACAATC TTTACTTTTG AAATATAAAA 480

ATAATCAAGT TATAAGTCTG CTCAAAGTAA AGCACTTGTT AGACTCATCT GATTTTGAGA 540

AGGTAAGCAA ATTGATGGTG CATAATAGTC ACAAGTAAAA TATAAAATAG ATTTTCATTAG 600

TAAAAATTGTT TTTTACTTTC TTATATATATA ATTATCAATA TCCTTCAATG GTAGGTTAAT 660

TATATTGTTA ACTTCTTGTT GAATTAAAGC AATAAGACAA GAATATTAAA GATAAAAGAA 720

CAATAAAAAAT AGAAAGACTA AGAGATAAGA GTTTTCTTAT TCTTCTTTCA ATAAGTATCA 780

TCAAGTGTAT ACAATATAAA TTTTGTGATT TTTGATCTAT CTATTATAA TGTATATAT 840

AAGCATACAA AAGATCAGTC ATAAATATGA CTTTAATCAT GAAAAATAATG AAAGAGATTA 900

FIGURE 7A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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TGAAGGCGTA AGGTTACTAG AATAATAGTC ATTAAAAAA GGGGTTATCT TTATAATTGA 960
ATAATTGATG AAGTAATGGA GATAATTAGT GAGCATAAAT TTTTTTAAAA AAATGGACAT 1020
TTACACTATA ATATTTTATA ACACTTTCCC TTAAACATCT AGGTATAAAT AATGAGTCTT 1080
GTCAAAAATCT TAGTAGGAAA AATTCTGTGA AATTTTTTTA GTGAAAACAA ATGATATAAA 1140
TATCTTGAAT ACTCATTATT TGTTGTCTCA TTA AAAATCT TATCTGACCT ATAAAAATAA 1200
TTATTTGCTC AACTCAAAAT AGTTTTTTCAT TCTAAAAATTA GTATAATTAT TAGTGAATAT 1260
TTAATTAAAC TAATTGTATA CTAAGGGGCC TATAAATTGG ATTCTTCTCA AAGAAAAATA 1320
AAATCACCAC ACAACTTTCT TCTTCTGCTC ATCAATTAGC AATTAATCCA AAACCATT 1378
ATG GCT GCC AAA AAT TCA GAG ATG AAG TTT GCT ATC TTC TTC GTT GTT 1426
MET Ala Ala Lys Asn Ser Glu MET Lys Phe Ala Ile Phe Phe Val Val
CTT TTG ACG ACC ACT TTA GGTTCAACAAC ACTTCTCCCT TATTTTGTTT 1474
Leu Leu Thr Thr Thr Leu
TCTTAATTTC TTGGAAGTCA TATGCATGTG TTTGGTATCA TGGTATATAT ATAAAGGAAA 1534
ATATTTTCTT TAATTACTGG TTTTCTAATG TTTGGTAGGT AATCGGAAAT TATTATGAGA 1594
TAATGAACTT GCAAAGTCAT TATTATATAA CTTTTTTTTT ATACTTTGAT TTAAGAATTC 1654
ATTTTCTCTCA TTTTATATAA ACTTATTTTT CAACAGAAAA TATTTTTCGA ACTATTCAAA 1714
CACACCCTAA GACATTACAT ATATATATAT ATACACCCTC CGTTTTATAT TACTTAATGC 1774

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FIGURE 7B

APPROVED	D.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

CTATTGAGTT GGCCCAACCT TTAAGAATGA TTCAATTAGA GATATGTTTT ACTAAATTAA 1834
 CCTATGCTTT AAGACTCTAA ATTTGGCTAT TACTATTTTA CGTTGTAATT TAATGACAAA 1894
 CATTTCATAA TGAATATAGT CTGAACTTAA TTAGACAGAC GTATCTATAG TTTGCTTACT 1954
 AATGATTTCAT AGCTATATAT TTGGAGAGGA GAGAGACAAA CGATATTAAG AAAGGGAGGA 2014
 GAGAGGCGAG GTAAATCTGA AATAGAGAAG AGAAAGGCCAA CCAATTTTGA TCATCTATCA 2074
 TACTTTTGAT TATTATTTTT ATTATATGTA CGTTTACATT ACAGTTTTTCG AATTCCTTACA 2134
 TTAATCTTAA TCATAAATATA TACA GTT GAT ATG TCT GGA ATT TCG AAA ATG CAA 2188
 Val Asp MET Ser Gly Ile Ser Lys MET Gln
 GTG ATG GCT CTT CGA GAC ATA CCC CCA GAA ACA TTG CTG AAA ATG 2236
 Val MET Ala Leu Arg Asp Ile Pro Pro Gln Glu Thr Leu Lys MET
 AAG CTA CTT CCC ACA AAT ATT TTG GGA CTT TGT AAC GAA CCT TGC AGC 2284
 Lys Leu Leu Pro Thr Asn Ile Leu Gly Leu Cys Asn Glu Pro Cys Ser
 TCA AAC TCT GAT TGC ATC GGA ATT ACC CTT TGC CAA TTT TGT AAG GAG 2332
 Ser Asn Ser Asp Cys Ile Gly Ile Thr Leu Cys Gln Phe Cys Lys Glu
 AAG ACG GAC CAG TAT GGT TTA ACA TAC CGT ACA TGC AAC CTG TTG CCT 2390
 Lys Thr Asp Gln Tyr Gly Leu Thr Tyr Arg Thr Cys Asn Leu Leu Pro
 TGA ACAATATCAA TGATCTATCG ATCGATCTAT CTATCTATTT ATCTGTCTCT 2433
 GCGCGTATAG TGTGTCTGT ACCTTTGGTG TGAAGAATAT GAATAAAGGG ATACATATAT 2493
 CTAGATATAT TCTAGGTAAT GTCCTATTGT ATTTAAAAATT TGTAGCAATG ATTGTTTGAA 2553

FIGURE 7C

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

TAAAAACATA CCATGAGTGA AATAATTATT CCACATTAAT TCACGTATTT ATTTCACCTTA 2613
TGATACGTAT TTTTGTTCCT TTCGCGTAGA TTTTGTGATCC TTTTCCCTTT TGAATATTA 2673
ACATTAAACA CAAATAATGT TTATTAAATT AAGTTAATAT TTTTATTAG CTATTATAT 2733
TTTTATTTGA AATCAAACTT GATAAATATT TATAAAGATA ATTAACAAGT AATGTGACAC 2793
TAACACCATG TAATATTATC TTGTCGTAT TTATGATAAT ATTTTAAAT TATAATTTC 2853
GTTAAAAAAT TATTAAAAA ACATACCTTT AAAAAGTGAG TTAGCCTCCG CTACCCACAT 2913
ACTTATGAAT TGGACTAGTT GTTTTTTGAC CCACAAAAAG AATGGGCTAA TTAAACCTGA 2973
CCTATCAAAAT TTCAGAACTC GCATAGATTA GTCCGAACGA AATGAGTCAG CCCGTATTGA 3033
ACAAAATATC AACAAAGGACG TTATGTAAAG ATGTTTAAAG AGGAAAAAAG ATTTCATAA 3093
CATATGGACT TTCAATATCC CAACCTTGTC TGGCGATCTG AACCCCTGCTT AGTTTGTGA 3153
TCATTAACTT GTCCTGCTAT GTATTTAAGA TTTAAACTTT ATATGTTTAA ACTTACAGAA 3213
AATACATATA AATCTCTCAA GACTTGGCAA CATAATTAC TTTAGTACTT AAACACATG 3273
AAAAATTAAA TATCCTTTTA ACATCTTTGA AGTGAATTAA ATTATCACAA TCCGAGCCTA 3333
CACCTTGGAC GTGGCCGGCA CTCAAGAACC AGTCTGGTC CCCAAGCTAA CCTCATCCT 3393
GACTGACTAC AAGCGGAAGG CTAACCTTAAG TATACAAAAAG CTTAAAACTG AATAAAATAA 3453
ACTTTACAAG GTTTTAACAC AAATGAACAA CTTTGAAGAA AATAATATAT TCAACTAGCC 3513

FIGURE 7D

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

ATAAAATAGA	CAACTTTTAGT	CTTTAAACA	TTTAATAAAA	TAAATGCAAA	ATATAGACTC	3573
CTTAACTAAA	CTGACTATCT	ATGGAGCCTC	TAATTGATAA	AGATGGAAGT	CGGGACAAGA	3633
CCACGACATC	CTGACTAAAC	TGAGAAAGTAA	ATAAAATCCC	CCGGAAAAAA	AGGAGCCTCA	3693
CCATGGCTAA	CTCGAACTCG	GGGATATATC	AATGAAGCTC	CTGTTGATGA	TCTTGAAGAC	3753
ATGTCTCTGC	ATCATCAAAA	AGATGCAGGC	CAAATGGCTC	AGTACGTAAA	ATGTACGAGT	3813
ATGTAAGGGA	AATTCTAAAG	TATAACATAA	GCTTGATACT	TGAATAAAAG	GAAACATACT	3873
TACCTCTTTT	CAACTCAACT	CAAAATTAAGA	ATAAGATACT	CAACTCAAAG	ATTAGGTATT	3933
CAACGCAAAAT	ATGGCACTCT	ACTCAATGAA	GTACAAAATA	ACTCAGGATA	CTCGACTTAA	3993
GATACTCAAC	TCCCGACACT	CAACTGAACT	CATTTCAAATA	TAAAGCAGCT	TAAAAACAAGT	4053
TCAGTATAAA	GTAAAGTTGT	TTAAAAACAT	GATGTCAACT	CTGTGTGTAT	AATAAGGGAT	4113
ACAACATAAC	TTTGAAAATGT	ATATAAAAAAT	ACAATTAACT	GATGTATATA	AAAAATACATT	4173
AATCTATGGG	AGATTCTCTA	ACCGACAACC	ATCACTTAAG	GGCTAAGATG	ATGATATAGC	4233
GATCTACCGC	ACGCTGCCAT	CGCATCTTAT	ACCCGGCCAA	AGGTATAAGA	CCTGAACTGC	4293
CTAATGAATC	CACATAATAA	CTGTTAAAAAG	GAATCATCTA	AAAAGTATGA	CCCTTTTCTA	4353
CCCATAGTGG	CTAACATGGT	TTATGGGGGC	TGTGAGTTAT	CTGAACCTCTC	CCCCATATCG	4413

FIGURE 7E

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

GTGCTCAATA CTACTCCAAA AAATATACTG CTCTTATGTT TAAAAACATA CTGATTCGT 4473
 GGTTTGAAAT TATTGCTTAA AGCTTAGATT TTGAAAAAGC TCCTTTTGA AAATCGTAGT 4533
 TTCCTTTTTC TTCTATTAAA GCTAGACATA GGCTATGTAG AACTCTAGCT TACCTTCCTT 4593
 CTCAAAAGTT TGAACACATT TGCTTAGATT CTAGGGACT ACTTAGTCC CTGTGGAA 4653
 TTC 4656

FIGURE 7F



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

PG GENOMIC

10	20	30	40	50	60
AAGCTTCTTA	AAAAGGCAAA	TTGATTAATT	TGAAGTCAAA	ATAATTAATT	ATAACAGTGG
70	80	90	100	110	120
TAAAGCACCT	TAAGAAACCA	TAGTTTGAAA	GGTTACCAAT	GCGCTATATA	TTAATCAACT
130	140	150	160	170	180
TGATAATATA	AAAAAAATTT	CAATTCGAAA	AGGGCCTAAA	ATATTCTCAA	AGTATTCGAA
190	200	210	220	230	240
ATGGTACAAA	ACTACCATCC	GTCCACCTAT	TGACTCCAAA	ATAAAATTAT	TATCCACCTT
250	260	270	280	290	300
TGAGTTTAAA	ATTGACTACT	TATATAACAA	TTCTAAATTT	AAACTATTTT	AATACTTTTA
310	320	330	340	350	360
AAAATACATG	GCGTTCAAAT	ATTTAATATA	ATTTAATTTA	TGAATATCAT	TTATAAACCA
370	380	390	400	410	420
ACCAACTACC	AACTCATTA	TCATTAAATC	CCACCCAAAT	TCTACTATCA	AAATTGTCC
430	440	450	460	470	480
AAACACTACT	AAAACAAGAC	GAAATTGTTC	GAGTCCGAAT	CGAAGCACCA	ATCTAATTTA
490	500	510	520	530	540
GGTTGAGCCG	CATATTTAGG	AGGACACTTT	CAATAGTATT	TTTTTCAAGC	ATGAATTTGA
550	560	570	580	590	600
AATTTAAGAT	TAATGGTAAA	GAAGTAGTAC	ATCCCGAATT	AATTCATGCC	TTTTTTAAAT
610	620	630	640	650	660
ATAATTATAT	AAATATTTAT	GATTTGTTTT	AAATATTAAA	ACTTGAATAT	ATTATTTTTT
670	680	690	700	710	720
TAAAAATTAT	CTATTAAGTA	CCATCACATA	ATTGAGACGA	AGGAATAATT	AAGATGAACA
730	740	750	760	770	780
TAGTGTTTAA	TTAGTAATGG	ATGGGTAGTA	AATTTATTTA	TAAATTATAT	CAATAAGTTA
790	800	810	820	830	840
AATTATAACA	AATATTTGAG	CGCCATGTAT	TTTAAAAAAT	ATTAAATAGT	TTGAATTTAA

FIGURE 8A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
RAFTSMAN		

850	860	870	880	890	900
AACCGTTAGA	TAAATGGTCA	ATTTTGAACC	CAAAAGTGGA	TGAGAAGGGT	ATTTTAGAGC
910	920	930	940	950	960
CAATAGGRGG	ATGAGAAGGA	TATTTTGAAG	CCAATATGTG	ATGGATGAAG	GATAATTTTG
970	980	990	1000	1010	1020
TATCATTTCT	AATACTTTAA	AGATATTTTA	GGTCATTTTC	CCTTCTTTAG	TTTATAGACT
1030	1040	1050	1060	1070	1080
ATAGTGTTAG	TTCATCGAAT	ATCATCTATT	ATTTCCGTCT	TAAATTATTT	TTTATTTTAT
1090	1100	1110	1120	1130	1140
AAATTTTTTA	AAAATAAATT	ATTTTTTCCA	TTTAACTTTG	ATTGTAATTA	ATTTTTTAAA
1150	1160	1170	1180	1190	1200
ATTACCAACA	TATAAATAAA	ATTAATATTT	AACAAAGAAT	TGTAACATAA	TATTTTTTTA
1210	1220	1230	1240	1250	1260
ATTATTCAAA	ATAAATATTT	TTAAACATCA	TATAAAAGAA	ATACGACAAA	AAAATTGAGA
1270	1280	1290	1300	1310	1320
CGGGAGAAGA	CAAGCCAGAC	AAAAATGTCC	AAGAAACTCT	TTCGTCTAAA	TATCTCTCAT
1330	1340	1350	1360	1370	1380
CCAAACTAAT	ATAATACCCA	TTATAATTAA	CCATATTGAC	CAACTCAAAC	CCCTTAAAAT
1390	1400	1410	1420	1430	1440
CTATAAATAG	ACAAACCCTT	CCCATACCTC	TTATCATAAA	AAAAATAATA	ATCTTTTTCA
1450	1460	1470	1480	1490	1500
ATAGACAAGT	TTAAAAACCA	TACCATATAA	CAATATATCA	TGGTTATCCA	AAGGAATAGT
1510	1520	1530	1540	1550	1560
ATTCTCCTTC	TCATTATTAT	TTTTGCTTCA	TCAATTTCAA	CTTGTAGAAG	CAATGTTATT
1570	1580	1590	1600	1610	1620
GATGACAATT	TATTCAAACA	AGTTTATGAT	AATATTCTTG	AACAAGAATT	TGCTCATGAT
1630	1640	1650	1660	1670	1680
TTTCAAGCTT	ATCTTTCTTA	TTTGAGCAAA	AATATTGAAA	GCAACAATAA	TATTGACAAG

FIGURE 8B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

1690	1700	1710	1720	1730	1740
GTTGATAAAA	ATGGGATTAA	AGTGATTAAT	GTACTTAGCT	TTGGAGCTAA	GGGTGATGGA
1750	1760	1770	1780	1790	1800
AAAACATATG	ATAATATTGT	AAGTATTTAA	ATATTGGAAT	ATATTTGTGG	GGATGAAAAT
1810	1820	1830	1840	1850	1860
GATAGAGAAT	ATAAGAATTA	TTTGGAAGGA	TGAAAAGTTA	TATTTTATAA	AGTAGAAAAT
1870	1880	1890	1900	1910	1920
TATTTTCTCG	TTTTTAGTAA	TTAAAGGTGA	AAAATGAGTT	TTCTCGTAAG	CGAGGAAAGT
1930	1940	1950	1960	1970	1980
CATTTTCCAT	GGAAGTGTAT	TTTTTTTTTA	CTTTTAATAA	CGTCATAGTA	TTTGCTATAC
1990	2000	2010	2020	2030	2040
TCAAGAATAA	GACACTATTA	TTGATGTTTA	GTGCTCGAAA	AGAAATTGAT	AGTAATTTTG
2050	2060	2070	2080	2090	2100
CTAATATAAC	TATCAATTTT	TTATATGTAT	ATTTTTC AAC	CAAATAACA	AAGCGTAATC
2110	2120	2130	2140	2150	2160
CAATAAGTGG	GCCTCTAGAA	TAAAGAGTAA	GTTCTATTAA	TTCTTAACCT	TATTTAATTT
2170	2180	2190	2200		
TATGGAAACC	TCGACAAAAC	GACAATGCTC	AACTTATATT	CGAATTC	

FIGURE 8C

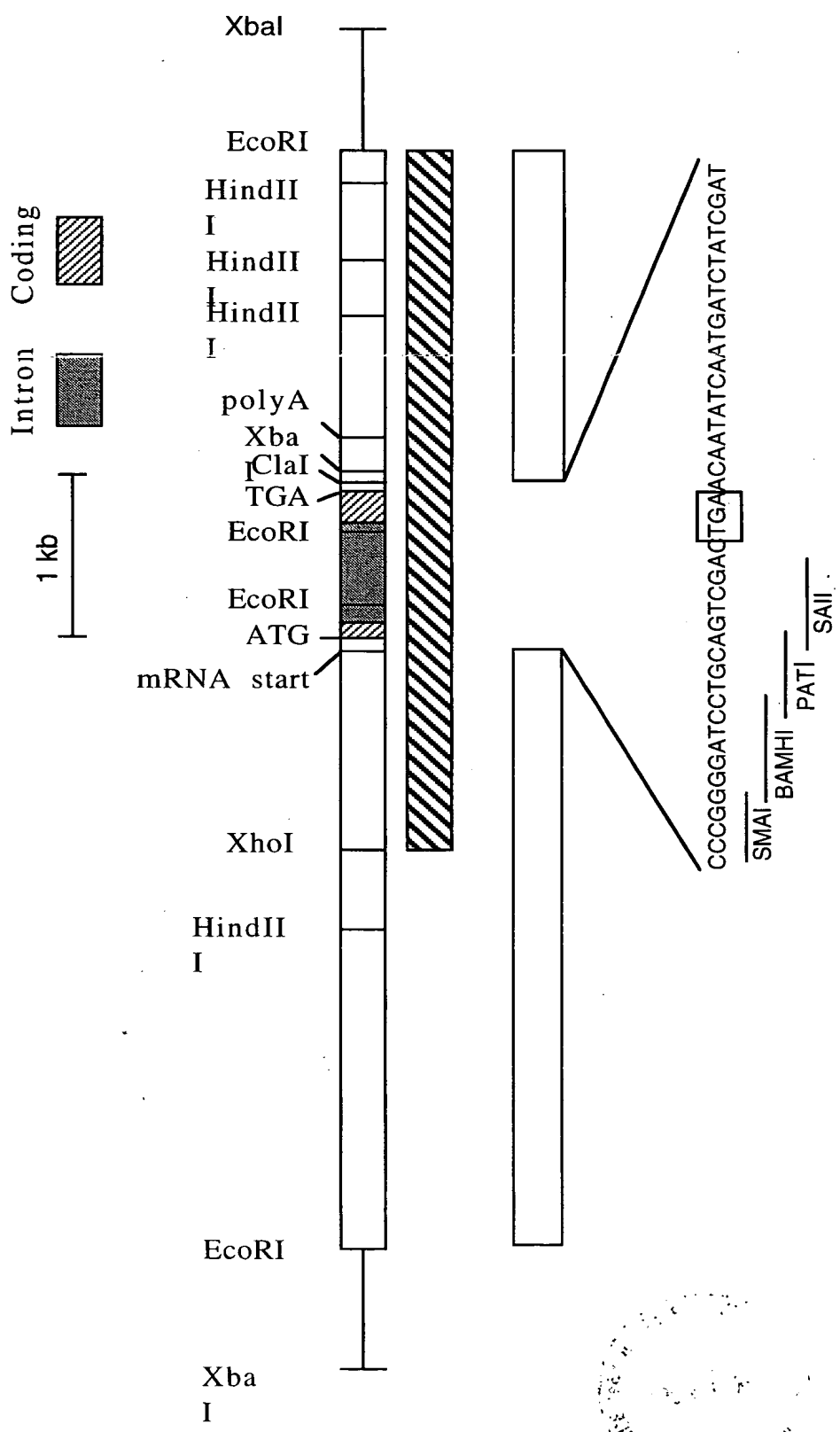


FIGURE 9

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

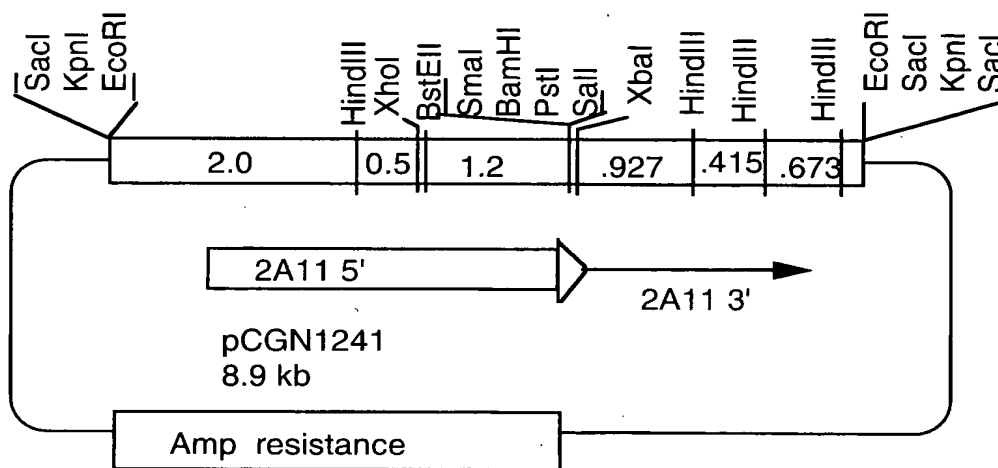
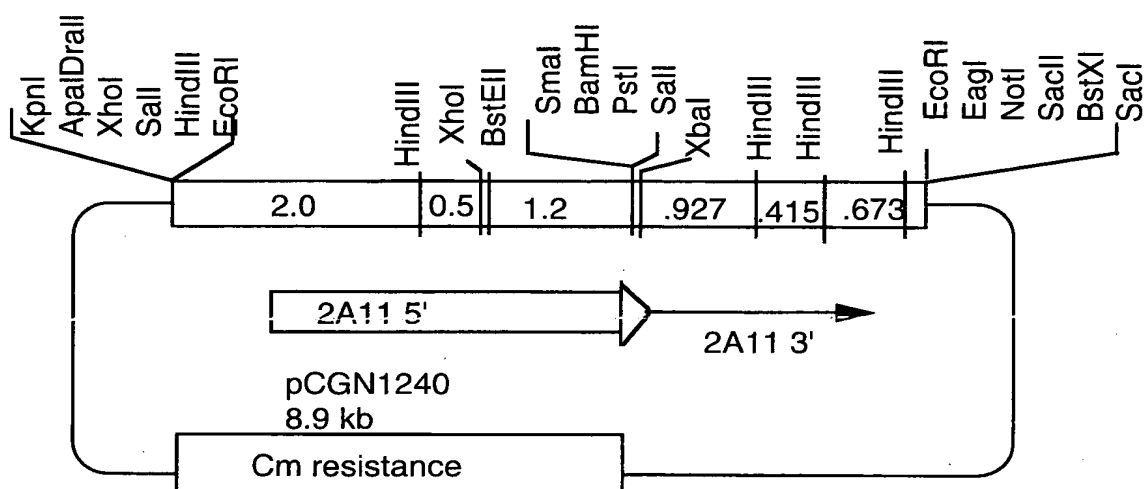


FIGURE 10A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

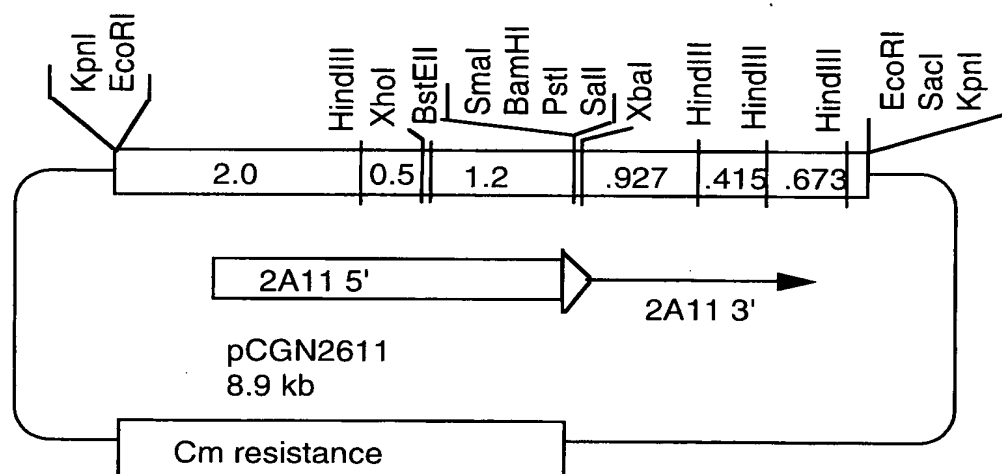
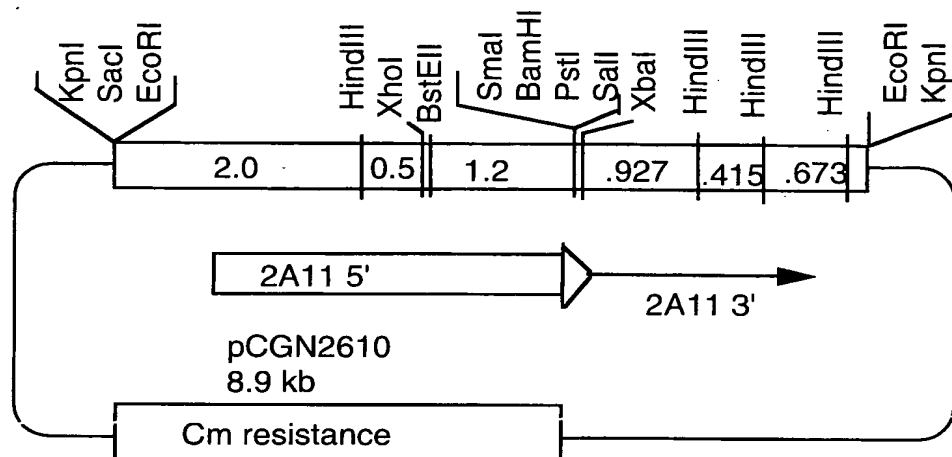


FIGURE 10B